

ABSTRACT OF THE DISCLOSURE

A chamber formation plate has a first face formed with a plurality of recesses arranged in a first direction at a fixed pitch such that each of the recesses is communicated with, via a through hole, a second face which is an opposite face of the first face. The chamber formation plate is comprised of nickel. A sealing plate is joined to the first face of the chamber formation plate so as to seal the recesses to form a plurality of pressure generating chambers. A metallic nozzle plate is formed with a plurality of nozzles, and joined to the second face of the chamber formation plate such that each of the nozzles is communicated with associated one of the pressure generating chamber via the through hole. A ratio of a grain size of a crystal of the nickel with respect to a thickness of a partition wall defined between each adjacent ones of the recesses is 60% or less.